

1949

Carmarthen Rural Sanitary Authority

Fifty-Eighth
Annual Report

of the Sanitary Conditions of the
Carmarthen Rural District for the
Year 1949

by

ELFYN T. JONES
B.Sc., M.R.C.S., L.R.C.P., D.P.H.
Medical Officer of Health



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PREFACE.

To the Chairman and Members of the Carmarthen Rural District Council.

Mr. Chairman and Gentlemen,

I beg to present my Annual Report for the year ending December 31st, 1949.

Housing, Water Supplies, Sewerage and Sewage Disposal continued to be given priority by the Council during the year. However, when one considers the time and energy devoted to these projects the resultant progress is rather disappointing. It is to be hoped that matters will be speeded up during the next twelve months.

Housing is again very much to the fore, and the demand for houses by the general public was as great as ever. One factor with regard to housing causes great concern, namely, the cost of building and the resultant rent to the tenants. Many persons, now living in housing conditions which are totally inadequate and detrimental to health, are not prepared to accept a Council House because the rent is often as much as four or five times the amount they are in the habit of paying. This is much more apparent in the rural area as compared with the industrial area, and it does seem as though the Government should consider the question of better grants in all matters pertaining to the amenities of life (e.g., Housing; Water Supplies and Sewerage Schemes) in rural areas. There are many buildings which should be dealt with as Clearance Areas, and would be so but for the deterrent of a high rent which is beyond the means of the people who would be displaced and rehoused.

I wish to gratefully acknowledge the work carried out by my staff, and to thank the Members of the Council for the whole-hearted manner in which they have supported me.

I wish to thank my colleagues and their staff for their continued support and help.

I am, Gentlemen,

Your obedient Servant,

ELFYN T. JONES,

Medical Officer of Health.

STAFF—PUBLIC HEALTH DEPARTMENT.

Medical Officer of Health :

Elfyn T. Jones, B.Sc., M.R.C.S., L.R.C.P., D.P.H.

Sanitary Inspectors :

Wm. Williams, M.S.I.A., M.R.San.I. (Meat Certificate). Senior.

W. D. Morgan, M.S.I.A., A.R.San.I.

P. F. R. E. Symons, M.S.I.A., M.R.San.I. (Meat Certificate).

Rodent Operators :

H. S. Adams.

D. J. Jones.

T. G. Evans (Temporary).

Clerk :

D. J. G. Griffiths.

Clerk to the Rural District Council :

J. Jones, Esq.

Engineer and Surveyor to the Rural District Council :

G. G. Thomas, Esq.

SOCIAL CONDITIONS OF THE AREA.

The Carmarthen Rural District covers an area of 202,733 acres, and is divided into 29 Parishes, viz. :—Abergwili, Abernant, Conwil Elfed, Llanllawddog, Llanpumpsaint, Llanarthney, Llanddarog, Llangunnor, Llandefeilog, Llangendeirne, St. Ishmael, Llangain, Llangynog, Llanstephan, Newchurch, Laugharne Township, Llanddowror, Llanginning, Llanwinio, Mydrim, St. Clears, Trelech-ar-Bettws, Cilymaenllwyd, Henllanfallteg, Llandissilio-East, Eglwys-cummin, Llandoidy, Pendine and Whitland.

The population of the area as estimated by the Registrar-General for 1949 is :—Civilian Population—27,800, and the total population (including non-civilians) is 27,850.

Statistics in this Report have been based upon the civilian population, unless otherwise stated.

For Registration purposes, the area is divided into the following five Registration Sub-Districts :—

Abergwili and Llangain (Carmarthen Rural).
 Llangendeirne.
 St. Clears.
 Conwil.
 Llanboidy.

For Sanitary Administration purposes, the area is divided into three Divisions, and each is under the direct supervision of a Sanitary Inspector. The Divisions are as follows :—

Carmarthen Division	.....	Parishes of Abergwili, Abernant, Conwil Elfed, Llanpumpsaint, Llangain, Llangynog, Llanllawddog, Llanstephan, Newchurch, Mydrim, Trelech-ar-Bettws, and Part of St. Clears.
Llangendeirne Division	.....	Parishes of Llanarthney, Llanddarog, Llangunnor, Llandefeilog, Llangendeirne and St. Ishmael.
Whitland Division	.....	Parishes of Laugharne Township, Llanddowror, Llanginning, Llanwinio, Cilymaenllwyd, Henllanfallteg, Llandissilio-East, Eglwys-cummin, Pendine, Whitland and Part of St. Clears.

The area is mainly agricultural, the inhabitants being engaged in farming and trades allied to it. Milk Factories are situated at Whitland, St. Clears and Pensarn (Llangunnor). Portions of the Parishes of Llanarthney, Llanddarog and Llangendeirne border on the anthracite coalfield, and naturally, the main occupation of that

area is coal mining. In addition there are a few quarries in the Rural area, particularly along the limestone ridge in the eastern part of the district. The Railways throughout the area provide employment for a large number of persons, particularly in the Western Parishes around Whitland.

No particular occupation (coal mining excepted) can be said to have any prejudicial effect upon the health of the people.

The Rateable Value of the area is £64,662, the sum represented by a Penny Rate £262 and the number of inhabited houses at the end of the year according to the Rate Book is 8,024.

Comparison for the last 5 years.

Year	1945	1946	1947	1948	1949
Population	28160	28230	28120	27670	27850
Rateable Value	£65,520	£65,539	£65,263	£62,318	£64,662
Penny Rate	£285	£273	£269/17/0	£260	£262
Inhabited Houses	7890	7898	7902	7958	8024

VITAL STATISTICS.

BIRTHS.

Live Births :

	Males.	Females.	Total.
Legitimate	244	246	490
Illegitimate	12	10	22

There were 512 live births during the year, and this represents a birth rate of 18.41 per 1,000 estimated resident population.

Still-births :

	Males.	Females.	Total.
Still-births	2	7	9

Still-birth rate per 1,000 total (live and still) births is 17.27

DEATHS.

	Males.	Females.	Total.
Deaths	195	163	358

Death rate per 1,000 of the population—12.87.

The Registrar-General provides us with a factor which assists in converting the crude death rate into a standardised death rate which is more efficient for comparison purposes. The factor given is 1.00, hence there is no change in the death rate given above.

Comparison of Death-Rate with other areas.

Area.	Death- Rate 1947	Death- Rate 1948	Death- Rate 1949
Carmarthen Rural District	11.59	12.35	12.87
England and Wales	12.0	10.8	11.7
126 County Boroughs and Great Towns (including London)	13.0	11.6	12.5
148 Smaller Towns	11.9	10.7	11.6
London Administrative County.....	12.8	11.6	12.2

CAUSES OF DEATH, 1949.

Cause of Death (Civilians only).	Males.	Females.	Total.	Death-rate per 1,000 population
Typhoid & Paratyphoid fevers	.....	.....	.....	.....
Cerebro-spinal fever	.....	.....	.....	.....
Scarlet Fever	.....	.....	.....	.....
Whooping Cough	.....	1	1	0.0359
Diphtheria	.....	.....	.....	.....
Tuberculosis (Respiratory)	6	6	12	0.4316
Tuberculosis (Other forms)	.....	1	1	0.0359
Syphilitic diseases	.....	.....	.....	.....
Influenza	.....	3	3	0.1079
Measles	.....	.....	.....	.....
Acute Poliomyelitis and Polio- encephalitis	.....	.....	.....	.....
Acute Infectious Encephalitis	.....	.....	.....	.....
Cancer (all sites)	25	22	47	1.6906
Diabetes	.....	1	1	0.0359
Intra-cranial vascular lesions	26	31	57	2.0503
Heart disease	39	26	65	2.3381
Other diseases of circulatory system	7	10	17	0.6115
Bronchitis	12	5	17	0.6115
Pneumonia	8	14	22	0.7913
Other respiratory diseases	13	1	14	0.5035
Ulcer of stomach or duodenum	2	.....	2	0.0719
Diarrhoea (under 2 years)	.....	.....	.....	.....
Appendicitis	.....	2	2	0.0719
Other digestive diseases	.....	2	2	0.0719
Nephritis	11	7	18	0.6474
Puerperal and post-abortive sepsis	.....	.....	.....	.....
Other maternal causes	.....	2	2	0.0719
Premature Births	6	3	9	0.3237
Congenital malformations, birth injury, infantile disease	5	11	16	0.5755
Suicide	4	.....	4	0.1438
Road Traffic Accidents	1	.....	1	0.0359
Other violent causes	6	2	8	0.2877
All other causes	24	13	37	1.3309
Total	195	163	358	12.87

Infant Mortality :

Deaths of Infants under one year of age (M. 15 ; F. 20)	35
Live Births during the year (Legitimate and Il- legitimate)	512
Death-rate of all Infants per 1,000 live births	68.35
Death-rate of Legitimate Infants per 1,000 legitimate live births	69.38
Death-rate of Illegitimate Infants per 1,000 illegitimate live births	45.45

Comparison of Infant Mortality Rates :

	1947	1948	1949
Carmarthen Rural District	33	43	68
England and Wales	41	34	32
126 County Boroughs and Great Towns (including London)	47	39	37
148 Smaller Towns	36	32	30
London Administrative County	37	31	29

Causes of Infant Deaths :

Marasmus	0
Broncho Pneumonia	6
Lobar Pneumonia	2
Prematurity	9
Whooping Cough	1
Convulsions	1
Bronchitis	1
Cerebral Haemorrhage	3
Other Causes	12
	(35)

Ages at which Infant Deaths occurred :

Under 1 week	19
1 week to 1 month	4
1 month to 3 months	7
3 months to 6 months	2
6 months to 9 months	3
9 months to 1 year	0
Total	35

Maternal Deaths :

Deaths from Puerperal and post-abortive sepsis	0
Deaths from other Maternal causes	2
Death-rate from all Maternal causes	0.07

Death from Cancer :

Total number of deaths from Cancer (all ages)	47
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Ages at Death from Cancer :

Under 5 years	0
5 to 15 years	0
15 to 25 years	0
25 to 35 years	1
35 to 45 years	2
45 to 55 years	6
55 to 65 years	7
65 years and over	31 (47)

Parts of the Body Involved :

Organ.	No. of Cases.		
	M.	F.	Total.
Buccal cavity and oesophagus (Males only)	2	—	2
Uterus (Females).....	—	4	4
Stomach and duodenum	10	4	14
Breast	—	2	2
All other sites	13	12	25
			—
			47

Deaths from Tuberculosis :

	Males.	Females.	Total.
Number of deaths from Tuberculosis (Pulmonary)	6	6	12
Number of deaths from Tuberculosis (Non-Pulmonary)	0	1	1
Death-rate per 1,000 population (Pulmonary)			0.431
Death-rate per 1,000 population (Non-pulmonary)			0.035

Tuberculosis—Rate per 1,000 Population of Notifications :

Year.	Notifications.
1945	1.45
1946	1.27
1947	1.60
1948	1.59
1949	0.97

**Distribution of Notifications and Deaths from Tuberculosis
during 1949 into Parishes.**

Parish.	NOTIFICATIONS.				No. OF DEATHS.			
	Pulmonary.		Non-Pulmonary.		Pulmonary.		Non-Pulmonary	
	M.	F.	M.	F.	M.	F.	M.	F.
Abergwili	2	1	.....	.....	2	1	.....	1
Abernant	1	.....	.....	.....	.....	.....	.....	.....
Conwil Elfed .....	.....	1	.....	.....	.....	1	.....	.....
Llanllawddog .....	.....	.....	1	.....	.....	.....	.....	.....
Llanpumpsaint .....	.....	.....	.....	.....	.....	.....	.....	.....
Llanarthney	2	.....	.....	.....	1	.....	.....	.....
Llanddarog .....	.....	.....	.....	.....	.....	.....	.....	.....
Llangunnor .....	.....	.....	.....	.....	.....	.....	.....	.....
Llandefeilog .....	.....	.....	.....	.....	.....	.....	.....	.....
Llangendeirne	1	.....	.....	.....	1	1	.....	.....
St. Ishmael	4	2	.....	.....	.....	1	.....	.....
Llangain .....	.....	.....	.....	.....	.....	.....	.....	.....
Llangynog .....	.....	.....	.....	1	.....	.....	.....	.....
Llanstephan	2	.....	.....	.....	.....	.....	.....	.....
Newchurch .....	.....	.....	.....	.....	.....	.....	.....	.....
Laugharne Town- ship .....	.....	1	1	.....	.....	.....	.....	.....
Llanddowror .....	.....	.....	.....	.....	.....	.....	.....	.....
Llanginning .....	.....	.....	.....	.....	.....	.....	.....	.....
Llanwinio .....	.....	.....	.....	.....	.....	.....	.....	.....
Mydrim .....	.....	.....	.....	.....	.....	.....	.....	.....
St. Clears	3	1	.....	.....	1	2	.....	.....
Trelech-ar-Bettws .....	.....	1	.....	.....	.....	.....	.....	.....
Cilymaenllwyd .....	.....	.....	.....	.....	.....	.....	.....	.....
Henllanfallteg .....	.....	.....	.....	.....	.....	.....	.....	.....
Llandissilio-East	1	.....	.....	.....	.....	.....	.....	.....
Eglwyscumin .....	.....	.....	.....	.....	.....	.....	.....	.....
Llanboidy .....	.....	.....	.....	.....	.....	.....	.....	.....
Pendine .....	.....	.....	.....	.....	.....	.....	.....	.....
Whitland .....	.....	1	.....	.....	1	.....	.....	.....
	16	18	2	1 (27)	6	6	.....	1 (13)

Tuberculosis—Notifications and Withdrawals.

	MALES.		FEMALES.		Total.
	Pul-monary	Non-Pul-monary	Pul-monary	Non-Pul-monary	
Number of cases of Tuberculosis on the Register at the commencement of the year	94	48	90	39	271
Number of cases notified under the Tuberculosis Regulations for the first time during the year	15	2	6	1	24
Number of cases restored to the Register having been removed previously.....	0	0	0	0	0
Number of cases added to the Register and brought to notice otherwise than by formal notification	1	0	2	0	3
Number of cases removed from the Register during the year	10	4	7	6	27
Number of cases remaining on the Register at the end of the year, 1949.....	100	46	91	34	271

New Cases of, and Mortality from Tuberculosis, 1949.

Age Period in Years.	NEW CASES.				DEATHS.			
	Pulmonary.		Non-Pulmonary.		Pulmonary.		Non-Pulmonary.	
	M.	F.	M.	F.	M.	F.	M.	F.
0—1	0	0	0	0	0	0	0	1
1—5	0	0	0	0	0	0	0	0
5—15	0	1	2	0	0	0	0	0
15—25	4	0	0	1	1	1	0	0
25—35	6	2	0	0	0	1	0	0
35—45	2	0	0	0	0	2	0	0
45—55	1	2	0	0	0	0	0	0
55—65	2	0	0	0	5	0	0	0
65 and over	1	3	0	0	0	2	0	0
Totals	16	8	2	1	6	6	0	1

GENERAL PROVISION OF HEALTH SERVICES IN THE AREA

Laboratory Facilities :

The Public Health Laboratory Service continued to play a most important part in the health services of the area. It provides both a Bacteriological and Pathological Service, and the value of the Bacteriological investigations and findings in the control of infectious diseases is inestimable.

I should like to pay a tribute to Dr. W. Kwantes, the Director of the Public Health Laboratory for his ready co-operation whenever called upon to assist the Public Health Department.

Ambulance Facilities :

Ambulance facilities for residents in the area is now the responsibility of the County Council.

Home Nursing and Midwifery Services :

These services are undertaken in the Rural District by sixteen District Nurses under arrangements made by the County Council with the District Nursing Associations. The County Council employed directly a District Nurse/Midwife in the Mydrim and Trelech Area where there is no Nursing Association.

Infant Welfare Centres :

At the end of 1949, there were eight Infant Welfare Centres for children under five years of age situated in the Rural District, namely, Gorslas, Whitland, Llanstephan, Pontyates, Carmarthen, Ferryside, Pendine and Laugharne.

The Gorslas Infant Welfare Centre was transferred to Cross Hands at the beginning of 1950. The Efailwen Infant Welfare Centre was closed during the year on account of the poor attendance.

The following Infant Welfare Centres situated in the adjoining districts also cater for children resident in the Carmarthen Rural District :—

Kidwelly.

Pontyberem.

Tumble.

Llandilo.

Pencader.

Ante-Natal Clinics :

At the end of the year Ante-Natal Clinics at Carmarthen, Kidwelly, Cross Hands and Llandilo were catering for the area of the Rural District.

The Care of Unmarried Mothers and their Children :

There is no change in the arrangements mentioned in my last year's Annual Report for the Care of Unmarried Mothers and their Children. This is the responsibility of the County Council.

Hospital Accommodation :

Infectious Diseases :

The infectious diseases Hospital is situated at Upper Tumble, near Llanelly, and is under the control of the Regional Hospital Board since the advent of the National Health Service Act, in July, 1948.

Venereal Diseases.

The Regional Hospital Board is now responsible for the treatment of Venereal Diseases. There are no clinics in the area of the Rural District, the nearest being at Llanelly.

Tuberculosis :

The notification rate of Tuberculosis for the year was 0.97 as compared with 1.59 for the previous year. In actual cases this meant there were 24 new cases of Pulmonary Tuberculosis notified during the year as compared with 31 notified during the previous year. This is an improvement and it is to be hoped that this improvement continues as this disease causes untold distress not only to the patient but to his family.

SANITARY CIRCUMSTANCES OF THE AREA.

Housing :

The progress made in the completion of houses for occupation during the year left much to be desired. There is still an urgent need for houses, and when one considers some of the conditions under which families have to exist the rate of progress is very disappointing. It does appear that the adoption of some non-traditional type house is now more than a possibility and this factor should speed up the completion of houses available for occupation.

HOUSING.

Mr. G. G. Thomas, the Council's Engineer and Surveyor, reports as follows on the position at the end of the year 1949 :—

Parish.	Site.	Area of Site (Acres).	No. of Houses to be built.	In Tender.	Under Construction	No. of Houses completed
Abergwili	Abergwili (i)	0.5	4	.....	.....	4
Abernant	Abergwili (ii)	Earmarked	20	.....	.....	.....
	Talog	0.35	4	.....	2	2
Conwil Elfed	Abernant	0.75	4	4	.....	.....
Llanpumpsaint	Conwil Elfed	1.14	8	6	.....	.....
Llanarthney	Llanpumpsaint	0.80	6	8	12	14
	Gorslas	5.33	34	.....	10	8
	Cefneithin	3.168	18	.....	8	16
	Drefach	3.85	24	.....	.....	.....
	Llanarthney	1.058	8	.....	4	12
Llanddarog	Porthyrhyd	2.11	16	.....	8	.....
	Mynyddcerrig	2.32	8	22	.....	.....
Llangunmor	Pensarn	4.99	40	6	.....	.....
Llandefeilog	Llandefeilog	1.00	6	4	.....	.....
	Bancycapel	0.50	4	.....	28	12
Llangendeirne	Pontyates	5.39	28	.....	14	.....
	Carway	5.13	36	8	.....	.....
	Four Roads	1.10	8	8	.....	.....
	Crwbin	1.32	8	8	.....	.....
	Llangendeirne	1.08	8	.....	.....	.....
	Pontantwn	1.45	6	.....	.....	.....
	Bancffosfelen	0.93	10	.....	.....	.....
St. Ishmael	Ferryside	6.46	20	.....	8	.....
	Llansaint	0.95	8	6	.....	.....
Llangynog	Ebenezer	0.70	6	.....	.....	.....
Llanstephan	Llanybri	2.32	14	.....	.....	.....
	Llanstephan	2.54	14	.....	.....	.....
Newchurch	Esgair Hir	0.50	4	62	.....	4
Laugharne	Laugharne	10.02	62	.....	.....	.....

Parish.	Site.	Area of Site (Acres).	No. of Houses to be built.	In Tender.	Under Construction	No. of Houses completed
Llanddowror	Llandowror	Earmarked	8	...	...	...
Llanwinio	Brynawel	0.65	4	...	4	...
Mydrim	Mydrim	2.29	12	...	6	6
St. Clears	Station Road	4.53	36	20	...	16
	Bankyfelin	1.91	12	...	...	...
Trelech-ar-Bettws	Trelech-ar-Bettws	1.09	12	12	...	...
	Penybont	0.50	4	4	...	...
Llanboidy	Llanboidy	Earmarked	12	...	...	...
	Llanglydwen	Earmarked	4	...	...	...
	Blaendiflyn	Earmarked	4	...	...	...
	Cross Hands	Earmarked	4	...	...	...
	Cefnpant	Earmarked	4	...	...	...
Henllanfallteg	Henllan Amgoed	Earmarked	4	...	...	...
Llandissilio-East	Efailwen	Earmarked	6	...	...	...
	Clynderwen	2.68	22	22	...	...
Eglwyscummin	Three Gates	Earmarked	4	...	...	...
Pendine	Pendine	0.88	4	...	...	...
Whitland	North Road	4.52	26	...	4	22
	Spring Gardens	7.46	64	...	...	...

Water Supply :

Mr. G. G. Thomas, the Council's Engineer and Surveyor, reports as follows on the position at the end of the year 1949 :—

“ The year under review placed upon all water supply schemes an unquestionable test of endurance under extreme drought conditions.

I am pleased to report however, that, with the exception of a few villages which derive their water from wells, no undue hardship was suffered.

Regular supplies of water were transported to the villages whose supplies had failed or were insufficient to meet the needs of the villagers.

The Council is still persuing the question of regional water schemes with keen interest and it was gratifying, after years of anticipation, to attend a function held in May, 1949 to inaugurate the Western Area Water Supply Scheme.

It is hoped that some areas will derive benefit from this scheme in the Summer of 1950.

Details appertaining to the Eastern Area Water Supply Scheme, reported in the 1948 publication of this report, were submitted to the Welsh Board of Health in November, 1949. Meanwhile constant vigilance of the source is being maintained.

It will be recalled that in last year's report, the Council's anxiety concerning the lack of a piped supply of water in other parts of the area was expressed, particularly in respect of the North Eastern Parishes.

A scheme has now been partially designed for this area and will be entitled the “ Llawddog Water Supply Scheme.” It is hoped that details respecting this scheme will be submitted to the Welsh Board of Health during 1950.

The 1948 Report also contained details of a water supply scheme for the villages of Abergwili and Glangwili in the Parish of Abergwili. This scheme was completed in June, 1949.”

Dwelling Houses and number of population supplied from Public Water Mains are as follows:—

Parish.	Village.	Houses Supplied from Standpipes	Houses connected to mains.	Total.	Popula- tion.
Abergwili	Abergwili	Nil	101	101	400
	Nantgaredig	15	5	20	90
Abernant	Talog	9	9	18	70
Pendine	Pendine	Nil	45	45	300
Llanstephan	Llanstephan	47	105	152	680
Henllanfallteg	Llanfallteg	2	44	46	100
Whitland	Whitland	14	150	164	1900
Trelech-ar- Bettws	Trelech	3	24	27	110
Llangendirne	Pontyates	21	179	200	1080
	Carway	4	61	65	330
St. Ishmael	Ferryside & Llansaint	54	160	214	1630
Llanarthney and Llanddarog	Gorslas, Cefneithin, Drefach, Foelgastell, Porthyrhyd Llanddarog	38	460	498	3700

Sampling of Water Supplies :

Sampling of water supplies is carried out by the Sanitary Inspectors, and is performed as carefully as possible.

Bacteriological examination of water is carried out at the Public Health Laboratory Service, Carmarthen, and Chemical examination is carried out by the Public Analyst at Bank Lane, Carmarthen.

With the exception of one source, no supply has a plumbo-solvent action. The source referred to is treated by filtration through magnesite before entering the service mains, and tests of the water in these mains have not shown any plumbo-solvent action.

SAMPLES OF WATER TAKEN DURING THE YEAR FROM PUBLIC SUPPLIES.

Date.	Source.	Type of Examination.	Result.
4/1/49	Pendine Public Supply (Chlorinated)	Bacteriological	Satisfactory.
4/1/49	Overflow, Pendine (Raw Water)	"	Unsatisfactory.
4/1/49	Well at Laugharne School	"	Unsatisfactory.
17/1/49	Abernant Public Supply	"	Satisfactory.
18/1/49	Carway Public Supply	"	Satisfactory.
19/1/49	Daviestown, Pensarn	"	Satisfactory.
21/1/49	Daviestown, Pensarn	"	Unsatisfactory.
3/2/49	Whitland Supply	"	Satisfactory.
3/2/49	Llanboidy Public Supply	"	Unsatisfactory.
8/2/49	Pendine Public Supply (Chlorinated)	"	Unsatisfactory.
8/2/49	Overflow, Pendine (Raw Water)	"	Satisfactory.
8/2/49	Henllan Amgoed Public Supply	"	Satisfactory.
9/2/49	Ferryside Public Supply	"	Unsatisfactory.
2/3/49	Llanfallteg Public Supply	"	Satisfactory.
2/3/49	Clynderwen Public Supply	"	Satisfactory.
2/3/49	Henllan Amgoed School Supply	"	Satisfactory.
2/3/49	Whitland Supply	"	Satisfactory.
11/4/49	Eastern Supply—Llanstephan Village	"	Unsatisfactory.
11/4/49	Western Supply—Llanstephan Village	"	Satisfactory.
20/4/49	Lon Esgair, Trawsmawr	"	Satisfactory.
4/5/49	Pendine Public Supply (Chlorinated)	"	Satisfactory.
5/5/49	Talag Public Supply	"	Satisfactory.
12/5/49	Conwil Public Supply	"	Satisfactory.
24/6/49	Cwmfelinboeth Public Well	"	Satisfactory.
5/7/49	Laugharne School Well	"	Satisfactory.

Date.	Source.	Type of Examination.	Result.
11/7/49	Pendine Public Supply (Raw Water)	Bacteriological	Satisfactory.
16/8/49	Pendine Public Supply (Chlorinated)	"	Unsatisfactory.
16/8/49	Water taken from pump at Whitland	"	Unsatisfactory.
16/8/49	Water taken from pump at Whitland	"	Unsatisfactory.
16/8/49	Water taken from pump at Whitland	"	Unsatisfactory.
16/8/49	Water taken from pump at Whitland	"	Satisfactory.
22/8/49	Laugharne School Supply	"	Unsatisfactory.
22/8/49	Broadway, Laugharne	"	Unsatisfactory.
22/8/49	Trelech Public Supply	"	Unsatisfactory.
22/8/49	Penybont Public Supply	"	Unsatisfactory.
29/8/49	Pendine Public Supply (Raw Water)	"	Satisfactory
29/8/49	Pendine Public Supply (Raw Water)	"	Doubtful.
13/9/49	Trelech Public Supply	"	Satisfactory
21/9/49	Ffynnonolbri, Llanybri	"	Satisfactory
21/9/49	Black Anchor Public Well, Llanybri	"	Unsatisfactory.
22/9/49	Llan Hairen, St. Clears	"	Unsatisfactory.
22/9/49	Upper St. Clears Supply	"	Satisfactory.
22/9/49	Pendine Public Supply (Chlorinated)	"	Unsatisfactory.
22/9/49	Water taken from Golden Springs, Whitland	"	Unsatisfactory.
22/9/49	Water taken from North Road, Whitland	"	Unsatisfactory.
22/9/49	Water taken from North Road, Whitland	"	Unsatisfactory.
4/10/49	Water taken from opposite Butcher's Arms, St. Clears	"	Satisfactory.
4/10/49	Water taken from Peter Street, Lower St. Clears	"	Satisfactory.
5/10/49	Blaenycloed Public Supply	"	Satisfactory.
5/10/49	Pendine Public Supply (Raw Water)	"	Satisfactory.
5/10/49	Water taken from Park Street, Whitland	"	Unsatisfactory.
5/10/49	Water taken from Corvus Arms, St. Clears	"	Satisfactory.
31/10/49	Llanboidy Public Supply	"	Unsatisfactory.

Date.	Source.	Type of Examination.	Result.
31/10/49	Cwmfelinmynach Public Supply	Bacteriological	Unsatisfactory.
31/10/49	Water taken from Gwynfryn, Cwmfelinmynach	"	Satisfactory.
1/11/49	Water taken from Overflow, Pendine (Raw Water)	"	Doubtful.
1/11/49	Pendine Public Supply (Chlorinated)	"	Satisfactory.
1/11/49	Water taken from Grist Well at Laugharne	"	Doubtful.
1/11/49	School Well, Laugharne	"	Satisfactory.
3/11/49	Water taken from Public Well at Dinas, Trelech	"	Satisfactory.
14/11/49	Water taken from Cross Street, Whitland	"	Satisfactory.
14/11/49	Llanfallteg Public Supply	"	Unsatisfactory.
23/11/49	Llanginning School	"	Unsatisfactory.
23/11/49	Water taken from St. Clears (Upper Village)	"	Unsatisfactory.
30/11/49	Overflow, Pendine (Raw Water)	"	Doubtful.
30/11/49	Pendine Public Supply (Chlorinated)	"	Satisfactory.
12/12/49	Pendine Public Supply (Raw Water)	"	Satisfactory.
12/12/49	Pendine Public Supply (Chlorinated)	"	Satisfactory.
29/12/49	Pendine Public Supply (Chlorinated)	"	Satisfactory.
29/12/49	Overflow, Pendine (Raw Water)	"	Satisfactory.
29/12/49	Spring Gardens, Whitland	"	Satisfactory.

Domestic Connections to Farm Water Supply Systems :

Grant-aided Schemes of the County Agricultural Executive Committee.

The Sanitary Inspectors have co-operated with the Water Supplies Officer of the Carmarthenshire Agricultural Executive Committee, and during the year they have taken samples of water for examination from proposed sources of supply.

Sewerage :

Mr. G. G. Thomas, the Council's Engineer and Surveyor, reports as follows :—

“ During 1949 visible material progress had been made on certain schemes enumerated in the 1948 Annual Report.

1. Pontyates Joint Sewerage Scheme :

This scheme was completed in 1949.

2. Drefach and District Joint Sewerage Scheme :

Similar to the scheme reported above, this scheme is being carried out jointly with the Llanelly Rural District Council and will serve the larger portion of this Council's industrial area. It is anticipated that work will be in progress within our area during the Spring of 1950.

3. Cross Hands Joint Sewerage Scheme :

The Inquiry in connection with the above proposed scheme was held in November, 1949, but the findings have not yet been made known.

4. Whitland Sewerage Scheme :

A Public Inquiry in connection with this scheme was held in February, 1949, and on the advice of the visiting Inspector, certain modifications to the scheme are being carried out and will be submitted to the Welsh Board of Health.

5. Trelech Sewerage Scheme :

The scheme, designed to meet the needs of the Rural Village of Trelech, has been approved by the Welsh Board of Health and it is hoped that work will commence during the Summer of 1950.

6. Ferryside Sewerage Scheme :

A sewerage scheme for the seaside village of Ferryside is being prepared and will be submitted to the Welsh Board of Health early in 1950.

7. Llansaint Village :

A scheme to meet the needs of this village is also being prepared and will be submitted to the Welsh Board of Health in 1950.

In addition to those schemes enumerated above the Council has also considered the following additional schemes :—♦

8. Abergwili Village in the Parish of Abergwili :

With the advent of a piped water supply to Abergwili Village, the Council has given favourable consideration to the preparation of a sewerage scheme. The proposals will be submitted to the Welsh Board of Health in 1950.

9. Llanybri Village in the Parish of Llanstephan :

A scheme to sewer the village of Llanybri is also being considered and like the preceding schemes will be submitted to the Welsh Board of Health in 1950."

REFUSE COLLECTION.

The system of direct labour for scavenging throughout the whole of the Rural District worked extremely well during the year. The scheme is undoubtedly far more efficient than the former one, but is liable to break down due to the fact that there is a continual demand for the extension of the service to areas which formerly had no collection whatsoever. Furthermore, the regularity and efficiency of the service is being realised by the general public who are, therefore, taking full advantage of it, with the result that the refuse loads continue to become heavier and heavier.

Another matter of great concern is the extreme difficulty in obtaining suitable sites for the disposal of the refuse, and in the near future the whole system of refuse collection will have to be given careful consideration by the Council.

RODENT CONTROL.

The Rodent Control Scheme has been maintained at a very high level during the year under the control of the Rodent Operators and with the co-operation of the district Sanitary Inspectors. As far as possible the work was carried out in a regular and systematic manner and the rural area was adequately covered.

The technique adopted in control measures is that recommended by the Ministry of Food, with zinc Phosphide and Red Squill as the principal poisons, and sausage rusk as the pre-bait medium. Gassing was resorted to in certain instances.

A brief summary of the work done during the year is as follows :—

1. Premises dealt with on a Contract basis.....	.....	38
2. Premises dealt with by payment (other than con- tract) .....	.....	6
3. No. of treatment to Business Premises .....	.....	130
4. No. of treatment to Dwelling Houses .....	.....	144
5. No. of treatment to Council Properties .....	.....	26

The estimated “ kill ” (according to the Ministry of Food formula) is as follows :—

		Rats.		Mice.
Under 3 above .....	.....	1920	.....	1207
Under 4 above .....	.....	587	.....	20
Under 5 above .....	.....	403	.....	6
		<hr/>		<hr/>
		2910		1233
		<hr/>		<hr/>

Administration of the Factories Act, 1937 :

Duties of the Sanitary Authority under the Factories Act have been carried out by the Sanitary Inspectors as part of their routine work, and a close liaison has been maintained with the Inspector of Factories.

Part 1 of the Act.

1. INSPECTIONS for purposes of provisions as to health (including inspections made by Sanitary Inspectors).

Premises. (1)	M/c. line No. (2)	Number on Register. (3)	Number of			M/c. line No. (7)
			Inspections. (4)	Written Notices. (5)	Occupiers prosecuted. (6)	
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	1	62	37	Nil.	Nil.	1
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	2	82	40	Nil.	Nil.	2
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises)	3	Nil.	Nil.	Nil.	Nil.	3
Total		144	77	Nil.	Nil.	

2. Cases in which DEFECTS were found.

Particulars. (1)	M/c. line No. (2)	Number of cases in which defects were found.				Number of cases in which prosecutions were instituted. (7)	M/c. line No. (8)
		Found. (3)	Remedied. (4)	Referred.			
				To H.M. Inspector. (5)	By H.M. Inspector. (6)		
Want of cleanliness (S.1)	4	3	3	Nil	Nil	Nil	4
Overcrowding (S.2)	5	Nil	Nil	Nil	Nil	Nil	5
Unreasonable temperature (S.3)	6	Nil	Nil	Nil	Nil	Nil	6
Inadequate ventilation (S.4)	7	Nil	Nil	Nil	Nil	Nil	7
Ineffective drainage of floors (S.6)	8	1	1	Nil	Nil	Nil	8
Sanitary Conveniences (S.7) :—							
(a) insufficient	9	Nil	Nil	Nil	Nil	Nil	9
(b) Unsuitable or defective	10	Nil	Nil	Nil	Nil	Nil	10
(c) Not separate for sexes	11	Nil	Nil	Nil	Nil	Nil	11
Other offences against the Act (not including offences relating to Outwork)	12	Nil	Nil	Nil	Nil	Nil	12
Total		4	4	Nil	Nil	Nil	

Part VIII of the Act.

Outwork

(Sections 110 and 111).

The return required under Part VIII. of the Act is " Nil."

SCHOOLS.

The Local Education Authority is the County Council. There are 56 Primary Schools (57 Departments) and 2 Secondary Schools within the Rural area. Panteg County Primary School was permanently closed on the 31st August, 1949.

Schools closed on account of Infectious Disease.:

No Schools were closed on account of Infectious Diseases during the year.

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS DISEASES.

Diphtheria :

No cases occurred during the year. This is undoubtedly due to the fact that immunisation of children round about one year of age is now accepted by mothers as a necessary operation. Furthermore, parents are realizing the importance of a booster or reinforcing dose at the age of 5 or 8 years of age.

Infantile Paralysis :

During the year four male cases were notified as suffering from the disease. All the cases were isolated in Hospital and there were no deaths from it.

INFECTIOUS DISEASES.

Number of Cases of Infectious Diseases originally notified during the year 1949, and of the final numbers according to Sex and Age after Corrections subsequently made either by Notifying Medical Practitioner or by the Medical Superintendent of the Infectious Diseases Hospital:—

Ages, etc.	Scarlet Fever.		Whooping Cough.		Ac. polio-myelitis.		Ac. polio-encephalitis.		Measles (excl. Rubella).		Diphtheria	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
Numbers originally notified :												
Civilians (All ages) 	4	6	3	5			1	....	12	10	....	....
Non-Civilians (All ages) ....	....	....	....	....			....	....	....	....	....	....
Final numbers after correction :												
{ 0— 	1	....	1	....			....	....	2	....	....	....
{ 1— ....	....	....	....	2			....	....	2	....	....	....
{ 3— ....	....	....	1	....			....	....	2	....	....	....
{ 5— ....	....	3	1	2			....	....	2	....	....	....
{ 10— ....	....	1	....	....			....	....	6	....	....	....
{ 15 	1	1	....	....			1	....	....	....	....	....
{ 25 and over	....	....	....	1			....	....	....	....	....	....
{ Age unknown	....	2	....	....			....	....	....	....	....	....
{ Total civilians	2	7	3	5			1	....	12	9	....	....
Non-civilians { 15—(or N.K.)	....	....	....	....			....	....	....	....	....	....
{ 25 and over	....	....	....	....			....	....	....	....	....	....
{ Total non-civilians	....	....	....	....			....	....	....	....	....	....

Ages, etc.	Ac. pneumonia		Dysentery		Smallpox		Ac. encephalitis lethargica		Enteric or typhoid fever		Paratyphoid fevers		Erysipelas		Cerebro spinal fever		Food Poisoning	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
Numbers originally notified :																		
Civilians (all Ages)	3	2														1	1	
Non-civilians (all Ages)																		
Final numbers after correction																		
0—																		
5—																		
15—	1	1																
45—	1																	
65 and over																		
Age unknown.....																		
Total civilians {	2	1														1	1	
Non-Civilians {																		
15— (or N.K.)																		
45 and over																		
Total non-civilians }																		
Other notifiable diseases.																		
Civilians :	Originally Notified.		Final numbers after corrections.															
Puerperal pyrexia	M.	F.	M.	F.														
Ophthalmia neonatorum	—	1	—	1														
Non-Civilians :																		
Puerperal pyrexia																		

Distribution of Notifiable Diseases into Parishes:

Parish.	NOTIFIABLE DISEASE.										
	Scarlet Fever	Measles	Pneumonia	Puerperal Pyrexia	Ac. Ant. Poliomyelitis	Ac. Ant. Encephalitis	Whooping Cough	Cerebro-spinal Fever	Erysipelas.	Ophthalmia Neonatorum.	Food Poisoning
Abergwili	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Abernant .....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
Conwil Elfed .....	.....	.....	2	.....	.....	.....	5	.....	.....	.....	.....
Llanllawddog .....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Llanpumpsaint .....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
Llanarthney .....	.....	6	.....	.....	.....	.....	.....	.....	.....	.....	.....
Llanddarog	1	6	.....	.....	.....	.....	.....	.....	.....	.....	.....
Llangunnor .....	.....	1	.....	.....	.....	.....	2	.....	.....	.....	.....
Llandefeilog	1	3	.....	.....	.....	1	.....	.....	.....	.....	.....
Llangendeirne	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
St. Ishmael .....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....
Llangain .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Llangynog .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Llanstephan .....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
Newchurch .....	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....
Laugharne	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Llanddowror .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Llanginning .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Llanwinio .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mydrim	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
St. Clears	1	1	.....	.....	.....	.....	.....	1	.....	.....	1
Trelech-ar-Bettws .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cilymaenllwyd .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Henllanfallteg .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Llandissilio-East .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eglwyscummin .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Llanboidy .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pendine .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Whitland	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	9	21	3	1	3	1	8	1	.....	.....	1
Number of cases Isolated at home	4	18	3	1	.....	.....	8	.....	.....	.....	.....
Number of cases re- moved to Isolation Hospital	5	3	.....	.....	3	1	.....	1	.....	.....	1

DIPHTHERIA IMMUNISATION.

Children aged 5-15 years :

Number immunised during the year—380.

Children under 5 years of age :

Number of children 0 to 5 years of age who were immunised during the year—442.

Total number of children who were given a secondary or reinforcing injection, i.e., subsequent to complete full course, during the year:—

Children 0-14 years of age—922.

Immunisation against diphtheria is now under the administration of the County Council.

The above statistics have been received from the County Medical Officer of Health relative to children resident in the Rural District immunised during the year.

FOOD POISONING.

One male case was notified as suffering from Food poisoning during the year. This person was living in a Displaced Persons Hostel, and was isolated in Hospital. No further cases occurred.

Milk and Dairies Regulations, 1949 :

The responsibility for the supervision of milk production was transferred to the Ministry of Agriculture and Fisheries during the year. The Local Authority is only concerned with the supervision of milk vendors.

Ice-Cream (Heat Treatment, etc.) Regulations, 1947 and 1948 :

The manufacture and sale of Ice-Cream in the Rural District has been carried out in accordance with the Ice-Cream (Heat Treatment, etc.) Regulations, 1947 and 1948. The premises of ice-cream retailers and manufacturers are regularly visited and samples are taken to ascertain the purity of the supplies.

The number of ice-cream retailers in the Rural District at the end of 1949 was 20, and in addition there were 7 ice-cream manufacturers.

THE FOOD AND DRUGS ACT.

The Food and Drugs Authority for the area is the County Council. Mr. D. R. Watkins, Chief Inspector of the County Council reports as follows on work done during the year under the above Act in the area of the Carmarthen Rural District:—

Milk :

Total number taken	.....	.....	.....	136
Number certified to be Genuine	.....	.....	.....	101
Number certified to contain added water (4 of these were also deficient in fat)	.....	.....	.....	29
Number certified deficient in fat	.....	.....	.....	6

Legal proceedings were instituted in respect of 25 milk samples certified by the Public Analyst to contain added water and fines and costs amounting to £168 were imposed on the vendors. The added water in these samples ranged between 3% and 41%. The remaining four samples were very slightly watered and it was not considered advisable to take legal action, but the suppliers were cautioned.

The deficiencies in fat in the 6 samples referred to ranged between 3% and 11%. The vendors were let off with a caution since it was considered that these cases did not warrant legal proceedings.

Miscellaneous Articles of Food :

Number taken 39. Genuine 35.

A sample of Beef Sausages was certified to be 28% deficient in meat content. Legal proceedings were instituted against the sellers and a fine and costs amounting to £6 were imposed.

Two samples of cake mixture and one custard powder were certified to be unfit for human consumption. The shop-keepers were warned and instructed to dispose of the remainder of their stocks in a manner other than for human consumption.

Spirits :

Three samples were tested and found to be genuine.

Drugs :

Number taken : 12—All were genuine.

On the 1st October, 1949, the day appointed by the Minister of Health for the coming into operation of the Food and Drugs (Milk and Dairies) Act, 1944, certain functions previously performed by the County Council were transferred to the Ministry of Agriculture and Fisheries, notably the licensing of milk producers to use special designations applied to milk. Up to that date my department was responsible for the sampling of Tuberculin Tested and Accredited milk produced in the county, but during the last three months of the year we were concerned only with the licensing of Pasteurisers who sell milk pasteurised by them on their own premises situated in the county, and the sampling of such milk.

Details relating to the samples taken and the results of their examination are given below:—

MILK (Special Designations) Orders, 1936—1946.

Tuberculin Tested Milk :

		Number taken.	Satisfactory.	Un-satisfactory.
1st Quarter	.....	152	..... 122	..... 30
2nd Quarter	.....	91	..... 52	..... 39
3rd Quarter	.....	169	..... 51	..... 118

Accredited Milk :

		Number taken.	Satisfactory.	Un-satisfactory.
1st Quarter	.....	161	..... 126	..... 35
2nd Quarter	.....	138	..... 66	..... 72
3rd Quarter	.....	140	..... 42	..... 98

Ex-designated :

		Number taken.	Satisfactory.	Un-satisfactory.
1st Quarter	.....	33	..... 15	..... 18
2nd Quarter	.....	29	..... 13	..... 16
3rd Quarter	.....	7	..... 4	..... 3

MILK (Special Designation) (Pasteurised and Sterilised Milk) Regulations, 1949.

33 Samples were taken, all of which were satisfactory.

MEAT INSPECTION.

The Sanitary Inspectors employed by the Rural District Council assist in the inspection of meat at the Borough Slaughterhouse. A satisfactory rota system has been worked out whereby a Sanitary Inspector is always available to carry out meat inspection even at short notice, e.g., when a beast which has been injured is brought in for slaughtering.

As meat inspection at the Borough Slaughterhouse is carried out on a rota system by the Rural District Council's Sanitary Inspectors and Borough Sanitary Inspector, the numbers given in the table "Carcases Inspected and Condemned" are identical to the numbers given in the corresponding table in my Annual Report for the Carmarthen Urban Sanitary Authority.

It is not possible to give separate details in respect of each authority.

CARCASSES INSPECTED AND CONDEMNED.

	Cattle, including Cows.	Calves.	Sheep and Lambs.	Pigs.
Number killed, if known	1220	5274	6791	62
Number inspected	1220	5274	6791	62
ALL DISEASES EXCEPT TUBERCULOSIS.				
Whole carcasses condemned	35	6	13	—
Carcasses of which some part or organ was condemned (except livers)	29	3	—	2
Cirrhotic Livers	500	5	240	3
Percentage of the number inspected affected with disease other than T.B. (except Livers)	5.24%	.17%	.19%	3.22%
TUBERCULOSIS ONLY.				
Whole carcasses condemned	13	—	—	2
Carcasses of which some part or organ was condemned	30	—	—	—
Percentage of the number inspected affected with T.B.	3.52%	—	—	3.22%

Slaughter of Animals Act, 1933

There are 7 licenced slaughtermen within the area.

SANITARY INSPECTION OF THE AREA.

For the purpose of Sanitary Inspection, the area is divided into three districts, with a Sanitary Inspector for each district.

Carmarthen District—Wm. Williams, Senior Sanitary Inspector.

Llangendeirne District—P.F.R.E. Symons, Sanitary Inspector.

St. Clears District—W. D. Morgan, Sanitary Inspector.

Each Sanitary Inspector works under the general direction of the Medical Officer of Health, and makes a report on his area each month to the Council.

Record of Visits for 1949:—

Nature of Visit or Inspection.	Carmarthen District.	Llangendairne District.	St. Clears District.	Total.
GENERAL SANITATION				
Water Supplies	106	113	76	195
Drainage	59	96	90	245
Offensive Trades	5	2	6	13
Tents, Vans, Sheds	5	25	39	69
Bakehouses	3	10	9	22
Public Conveniences	17	15	10	42
Refuse Collection	17	15	28	60
Refuse Disposal	44	37	35	116
Rats and Mice	6	.....	8	14
Schools	10	3	3	16
Miscellaneous Sanitary Visits	43	62	30	135
HOUSING				
Under Public Health Acts.				
Number of Houses inspected	20	34	40	94
Visits paid to above houses	35	75	67	177
Under Housing Acts.				
Number of Houses inspected	41	59	65	165
Visits paid to above houses	196	176	178	550
Overcrowding.				
Number of Houses inspected	9	7	8	24
Visits paid to above houses	14	7	11	32
Verminous Premises.				
Number of Houses inspected	4	.....	4	8
Visits paid to above houses	6	.....	4	10
Miscellaneous Housing Visits.....	125	181	120	426
Infectious Diseases.				
Inquiries in cases of Infectious Diseases				
.....	8	12	11	31
Miscellaneous Infectious Disease Visits				
.....	5	6	1	12
Number of rooms disinfected.....	5	7	9	21
Number of times Steam Disinfector used .....	.....	.....	.....	.....

Nature of Visit or Inspection.	Carmarthen District.	Llangendearne District.	St. Clears District.	Total.
MEAT & FOOD INSPECTION				
Inspection of Meat and Meat Shops.				
No. of visits to Central Slaughterhouse in the Borough of Carmarthen	30	59	.....	89
No. of visits to Shops and Stalls	14	16	21	51
No. of visits to Butchers .....	.....	6	11	17
Ice-Cream Premises.				
No. of visits for purposes of inspection and sampling....	10	112	76	198
Milk and Dairies Orders.				
No. of producers in area	2500 in whole area.			
No. of retail purveyors in area	260 in whole area.			
No. of visits to cowsheds	57	77	25	159
No. of new cowsheds provided	4	.....	.....	4
No. of cowsheds reconditioned	21	9	10	40
NOTICES SERVED.				
Under the Housing Acts.				
No. of informal notices served	41	.....	15	56
No. of informal notices complied with	27	.....	11	38
No. of formal notices served .....	.....	.....	.....	.....
No. of formal notices complied with .....	.....	.....	.....	.....
Under the Public Health Acts.				
No. of informal notices served	20	13	10	43
No. of informal notices complied with	12	10	8	30
No. of formal notices served	3	3	2	8
No. of formal notices complied with	3	1	2	6
Under the Milk and Dairies Orders.				
No. of informal notices served	25	5	.....	30
No. of informal notices complied with	25	5	.....	30

